

ThinkPad X13 Gen 1 (Intel) Platform Specifications

Product Specifications Reference (PSREF)

Processor	10th Generation Intel® Core™ i3 / i5 / i7 Processor										Smart card reader	Optional: Smart card reader	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics				Media reader	MicroSD card reader, in the combo slot with nano-SIM card
	i3-10110U	2	4	2.1 GHz	4.1 GHz	4MB	DDR4-2666	Intel UHD Graphics				Ports	Two USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB						Monitor cable (optional)	• Lenovo HDMI to VGA Monitor Adapter
	i5-10310U			1.7 GHz	4.4 GHz	6MB						Bundled Accy	• Lenovo USB-C to VGA Adapter
	i7-10510U			1.8 GHz	4.9 GHz	8MB						Camera (optional)	• Lenovo USB-C to DisplayPort Adapter
	i7-10610U			1.8 GHz	4.9 GHz	8MB						Audio support	Optional: ThinkPad Ethernet Extension Adapter Gen 2
Graphics	Intel UHD Graphics in processor; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4096x2160 @24Hz), USB-C (up to 4096x2304 @60Hz) or Thunderbolt (up to 4096x2304 @60Hz)										Camera (optional)	• HD720p camera with ThinkShutter camera privacy, fixed focus	
Chipset	Intel SoC (System on Chip) platform										Audio support	• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus	
Memory	8GB, 16GB or 32GB / 2666MHz DDR4 / soldered to systemboard, no sockets * Installed memory is actually 3200MHz but run at 2666MHz due to Intel limitation										Audio support	HD Audio, Realtek® ALC3287 codec / Dolby® Audio speaker system, 1W x 2 / optional dual array far-field microphone, headphone / microphone combo jack	
Display	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Keyboard		6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, optional LED backlight
	13.3"	HD (1366x768)	TN	Anti-glare	-	250 nits	16:9	300:1	45%	170°	UltraNav™		TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
	13.3"	FHD (1920x1080)	IPS	Anti-glare	-	300 nits	16:9	800:1	72%	170°	Security chip		Power-on password, hard disk password, supervisor password, security keyhole
	13.3"	FHD (1920x1080)	IPS	Anti-glare	Multi-touch	300 nits	16:9	700:1	72%	170°	Security chip		• Firmware TPM 2.0 integrated in chipset
	13.3"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	-	500 nits	16:9	1000:1	72%	170°	System Mgt (opt)		Intel vPro Technology
Multi-touch (opt)	On-cell touch, supports 10-finger gesture										Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest	
Storage	<ul style="list-style-type: none"> M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 										NFC (optional)	Near Field Communication	
Optical	None										Battery	Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2										Max battery life	MobileMark® 2014: 15.9 hr MobileMark 2018: 10.45 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors	
WLAN + Bluetooth™ (opt)	Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.1 * Intel WiFi 6 full features might be limited by country level restrictions * BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)										AC adapter	• 45W USB-C AC adapter • 65W USB-C AC adapter • 65W USB-C slim AC adapter	
WWAN (optional)	<ul style="list-style-type: none"> Wireless WAN upgradable Integrated Mobile Broadband 4G LTE, Quectel EM05CEFC, M.2 card Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable										Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64	
SIM card (opt)	Gemalto eSIM										Limited warranty	<ul style="list-style-type: none"> 1-year depot repair service 1-year depot with 2-year system board repair service 1-year limited onsite service 1-year + 2-year depot repair service 1-year + 2-year limited onsite service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service 	
Dimensions	Models	FHD Non-touch				HD / FHD Multi-touch / Privacy Guard					Mil-Spec test		MIL-STD-810G military testing
	Carbon Fiber	311.9mm x 217.0mm x 16.5mm 12.28" x 8.54" x 0.65"									Environment		EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant
	PPS	312.0mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"				311.9mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"							
Weight	Models	FHD Non-touch		HD		FHD Multi-touch / Privacy Guard							
	Carbon Fiber	2.70 lb / 1.22 kg		-		-							
	PPS	2.85 lb / 1.29 kg		2.93 lb / 1.33 kg		2.84 lb / 1.28 kg							
Case color	Black												
Case material	Display cover: Carbon Fiber (FHD non-touch only) or PPS; Bottom: Magnesium/Aluminum												

Note: The specifications above may not be available in all regions and might change by regions.